

10MHz~50MHz 7.0×5.0mm, Quick Warm-up, High frequency & Low Noise VCXO

Quick Detail:

- Aluminum housing
- 3.3V Operating Voltage (VCC)
- -40°C~+85°C operating temperature
- SMD package
- High precision
- Low phase noise
- HCMOS Output Waveform
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

The LT-CR-bv0507e(OE) is the newest addition to ZR's line of VCXOs. The standard part offers an ultra-tight stability of ± 15 ppm over -40°C to +85°C across a supply voltage -3.3V. The LT-CR-bv0507e(OE) uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 7.0 mm x 5.0 mm x 2.0 mm ceramic package and options for 1,000- or 3,000-piece reels make these components ideal for satellite communication, military communication equipment, base station, test and measurement equipment.

Specifications:

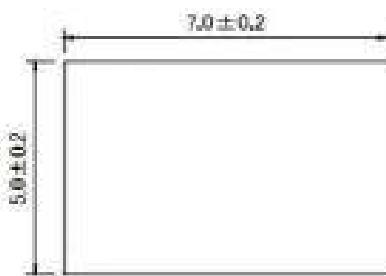
Electrical / Optical Characteristics (Ta=25°C±3°C)

Items	Specification	Conditions
Part Number	LT-CR-bv0507e(OE)	
Frequency Range	10MHz~50MHz	
Operating Voltage(VCC)	3.3V	
Operating Current	≤ 35 mA	
Operating Temperature	-40°C~85°C	
Freq. Stability Vs. Temp.	$\leq \pm 20$ ppm	Vcon=1.65V,At +25 °C
Frequency Tolerance		
Output Waveform	LVCMOS	
Output Load	15pF	
Output logic Level	High Level: ≥ 2.4 V; Low Level: ≤ 0.4 V	
Rise/Fall Time	≤ 3 ns	LVCMOS Output, Load=15pf
Duty Cycle(%)	45%~55%	
Voltaged Voltage Range(VC)	0~3.3	
Voltaged Frequency	$\geq \pm 30$ ppm	

Range		
Slope	Positive	
Linearity	$\leq 10\%$	
Input Impedance		
Phase Noise (typ.)	-70dBc/Hz @10Hz; -110dBc/Hz @100Hz; -140dBc/Hz @1kHz; -150dBc/Hz @10kHz; -160dBc/Hz @100kHz;	Typical Frequency:16.384MHz At +25°C
Dimension	7.0 mm x 5.0 mm x 2.0 mm	

Note: for custom specs, please contact us directly.

Outline Drawing (Unit: mm):



Pin Connections

Pin1	V _{DD} /NC
Pin2	NC
Pin3	GND
Pin4	Output
Pin5	NC
Pin6	V _{CC}



Recommended Land Pattern

